

Interpretation of Hypoglycemia Follow-up Tests

Symp- toms, signs, or both	Glucose (mg/ dL)/ (mmol/ L)	Insulin (MicroU / mL)/ (pmol/ L)	C- Peptide (nmol/ L)/ (ng/mL)	Pro- insulin (pmol /L)	Beta- hydroxy- butyrate (mmol/L)	Glucose increase after glucagon (mg/dL)/ (nmol/L)	Circula- ting oral hypogly- cemic agent	Anti- body to insulin	Diag- nostic interpre- tation
No	<55/3	<3/20.8	<0.2/0.6	<5	>2.7	<25/1.4	No	No	Normal
Yes	<55	> >3	<0.2	<5	≤2.7	>25	No	Neg	Exoge- nous insulin
Yes	<55	≥3	≥0.2	≥5	≤2.7	>25	No	Neg	Insulin- oma, NIPHS, PGBH
Yes	<55	≥3	≥0.2	≥5	≤2.7	>25	Yes	Neg	Oral hypogly- cemic agent
Yes	<55	> >3	> >0.2*	> >5*	≤2.7	>25	No	Pos	Insulin auto- immune
Yes	<55	<3	<0.2	<5	≤2.7	>25	No	Neg	IGF**
Yes	<55	<3	<0.2	<5	>2.7	<25	No	Neg	Not insulin (or IGF)- media- ted

*Free C-peptide and proinsulin concentrations are low. **Increased pro-IGF-II, free IGF-II, IGF-II/
IGF-I ratio.

Adapted from: <http://www.uptodate.com/contents/hypoglycemia-in-adults-without-diabetes-mellitus-diagnostic-approach>